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|-------------------------------|------------------------|---------------------|--|
| Notice of Allowability | Application No. | Applicant(s) | |
| | 10/631,036 | HORTON ET AL. | |
| | Examiner | Art Unit | |
| | Antonio A. Caschera | 2676 | |

-- The MAILING DATE of this communication appears on the cover sheet with the correspondence address--

All claims being allowable, PROSECUTION ON THE MERITS IS (OR REMAINS) CLOSED in this application. If not included herewith (or previously mailed), a Notice of Allowance (PTOL-85) or other appropriate communication will be mailed in due course. **THIS NOTICE OF ALLOWABILITY IS NOT A GRANT OF PATENT RIGHTS.** This application is subject to withdrawal from issue at the initiative of the Office or upon petition by the applicant. See 37 CFR 1.313 and MPEP 1308.

1. ☒ This communication is responsive to After Final Amendment filed, 08/29/05.
2. ☒ The allowed claim(s) is/are 1-6, 8-10, 12-21, 23-27 and 29-35.
3. ☐ Acknowledgment is made of a claim for foreign priority under 35 U.S.C. § 119(a)-(d) or (f).
 - a) ☐ All b) ☐ Some* c) ☐ None of the:
 1. ☐ Certified copies of the priority documents have been received.
 2. ☐ Certified copies of the priority documents have been received in Application No. _____.
 3. ☐ Copies of the certified copies of the priority documents have been received in this national stage application from the International Bureau (PCT Rule 17.2(a)).

* Certified copies not received: _____.

Applicant has THREE MONTHS FROM THE "MAILING DATE" of this communication to file a reply complying with the requirements noted below. Failure to timely comply will result in ABANDONMENT of this application.
THIS THREE-MONTH PERIOD IS NOT EXTENDABLE.

4. ☐ A SUBSTITUTE OATH OR DECLARATION must be submitted. Note the attached EXAMINER'S AMENDMENT or NOTICE OF INFORMAL PATENT APPLICATION (PTO-152) which gives reason(s) why the oath or declaration is deficient.
5. ☒ CORRECTED DRAWINGS (as "replacement sheets") must be submitted.
 - (a) ☐ including changes required by the Notice of Draftsperson's Patent Drawing Review (PTO-948) attached
 - 1) ☐ hereto or 2) ☐ to Paper No./Mail Date _____.
 - (b) ☒ including changes required by the attached Examiner's Amendment / Comment or in the Office action of Paper No./Mail Date _____.

Identifying indicia such as the application number (see 37 CFR 1.84(c)) should be written on the drawings in the front (not the back) of each sheet. Replacement sheet(s) should be labeled as such in the header according to 37 CFR 1.121(d).
6. ☐ DEPOSIT OF and/or INFORMATION about the deposit of BIOLOGICAL MATERIAL must be submitted. Note the attached Examiner's comment regarding REQUIREMENT FOR THE DEPOSIT OF BIOLOGICAL MATERIAL.

Attachment(s)

- | | |
|---|--|
| 1. <input type="checkbox"/> Notice of References Cited (PTO-892) | 5. <input type="checkbox"/> Notice of Informal Patent Application (PTO-152) |
| 2. <input type="checkbox"/> Notice of Draftsperson's Patent Drawing Review (PTO-948) | 6. <input type="checkbox"/> Interview Summary (PTO-413), Paper No./Mail Date _____. |
| 3. <input type="checkbox"/> Information Disclosure Statements (PTO-1449 or PTO/SB/08), Paper No./Mail Date _____ | 7. <input type="checkbox"/> Examiner's Amendment/Comment |
| 4. <input type="checkbox"/> Examiner's Comment Regarding Requirement for Deposit of Biological Material | 8. <input checked="" type="checkbox"/> Examiner's Statement of Reasons for Allowance |
| | 9. <input type="checkbox"/> Other _____. |

ck

DETAILED ACTION

Drawings

1. The drawings are objected to as failing to comply with 37 CFR 1.84(p)(4) because reference character “#142” has been used to designate both a memory and a graphics adapter (see Figure 9). Corrected drawing sheets in compliance with 37 CFR 1.121(d) are required in reply to the office action to avoid abandonment of the application. Any amended replacement drawing sheet should include all of the figures appearing on the immediate prior version of the sheet, even if only one figure is being amended. The replacement sheet(s) should be labeled “Replacement Sheet” in the page header (as per 37 CFR 1.84(c)) so as not to obstruct any portion of the drawing figures. If the changes are not accepted by the examiner, the Applicant will be notified and informed of any required corrective action in the next Office action. The objection to the drawings will not be held in abeyance.

Allowable Subject Matter

2. Claims 1-6, 8-10, 12-21, 23-27 and 29-35 are allowed.

The following is an examiner’s statement of reasons for allowance:

In reference to claims 1, 10, 18-20 and 26, the prior art of record (Miller et al. (U.S. Patent 5,561,756), Lake et al. (U.S. Patent 6,822,658 B1) and Migdal et al. (U.S. Patent 6,417,860 B1)) does not explicitly disclose determining a value indicative of a user’s viewpoint, comparing the value to a threshold and selecting either a PTM or non-PTM version of a texture map when rendering, in combination with the further limitations of claims 1, 10, 18-20, 26.

In reference to claims 2-6, 8 and 34, claims 2-6, 8 and 34 depend upon allowable claim 1 and are therefore also deemed allowable.

In reference to claims 12-14, 16 and 17, claims 12-14, 16 and 174 depend upon allowable claim 10 and are therefore also deemed allowable.

In reference to claims 21, 23 and 25, claims 21, 23 and 25 depend upon allowable claim 20 and are therefore also deemed allowable.

In reference to claims 27 and 29-33, claims 27 and 29-33 depend upon allowable claim 26 and are therefore also deemed allowable.

In reference to claims 9, 15 and 24, the prior art of record (Miller et al. (U.S. Patent 5,561,756), Lake et al. (U.S. Patent 6,822,658 B1) and Migdal et al. (U.S. Patent 6,417,860 B1)) does not explicitly disclose the value indicative of a user's viewpoint, weighted based on at least two of a group consisting of: a distance between the user's viewpoint and a graphical object, a viewing angle of the graphical object, and an amount of visible surface area of the graphical object, in combination with the further limitations of claims 9, 15 and 24.

In reference to claim 35, the prior art of record (Miller et al. (U.S. Patent 5,561,756), Lake et al. (U.S. Patent 6,822,658 B1) and Migdal et al. (U.S. Patent 6,417,860 B1)) does not explicitly disclose selecting and applying either a PTM or non-PTM version of a texture map when rendering wherein the PTM texture map has texels that vary based on light position and the non-PTM version having texels that are constant relative to the light position, in combination with the further limitations of claim 35.

Any comments considered necessary by applicant must be submitted no later than the payment of the issue fee and, to avoid processing delays, should preferably accompany the issue

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fee. Such submissions should be clearly labeled "Comments on Statement of Reasons for Allowance."

Response to Arguments

3. The cancellation of claims 7, 11, 22 and 28 is noted.
4. Applicant's arguments, see page 10 of Applicant's Remarks, filed 08/29/05, with respect to the 35 USC 102 rejection of claims 1, 10, 20 and 26 have been fully considered and are persuasive. The 35 USC 102 rejection of the above claims has been withdrawn since previously indicated allowable subject has been rewritten into these claims.

Conclusion

Any inquiry concerning this communication or earlier communications from the examiner should be directed to Antonio Caschera whose telephone number is (571) 272-7781. The examiner can normally be reached Monday-Thursday and alternate Fridays between 7:30 AM and 5:00 PM.

If attempts to reach the examiner by telephone are unsuccessful, the examiner's supervisor, Matthew Bella, can be reached at (571) 272-7778.

Any response to this action should be mailed to:

Commissioner of Patents and Trademarks

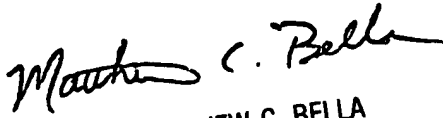
Washington, D.C. 20231

or faxed to:

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571-273-8300 (Central Fax)

Any inquiry of a general nature or relating to the status of this application or proceeding should be directed to the Technology Center 2600 Customer Service Office whose telephone number is (703) 306-0377.


MATTHEW C. BELLA
SUPERVISORY PATENT EXAMINER
TECHNOLOGY CENTER 2600

aac

9/6/05